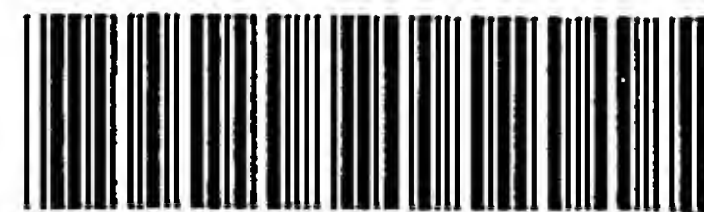# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/579,456 _____

Source: _____ IFWO _____

Date Processed by STIC: _____ 05/25/2006 _____

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IFWP

RAW SEQUENCE LISTING   DATE: 05/25/2006
PATENT APPLICATION: US/10/579,456   TIME: 09:35:21

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05252006\J579456.raw**

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      3 <110> APPLICANT: VIB vzw
      5 <120> TITLE OF INVENTION: DIAGNOSTIC TESTS FOR THE DETECTION OF MOTOR
NEUROPATHY
      7 <130> FILE REFERENCE: VTI/HSP/V171
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/579,456
C--> 10 <141> CURRENT FILING DATE: 2006-05-15
     12 <150> PRIOR APPLICATION NUMBER: EP03104181.7
     13 <151> PRIOR FILING DATE: 2003-11-13
     15 <160> NUMBER OF SEQ ID NOS: 79
     17 <170> SOFTWARE: PatentIn version 3.1
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 1511
     21 <212> TYPE: DNA
     22 <213> ORGANISM: Homo sapiens
     24 <400> SEQUENCE: 1
     25 cagccaccat ggctgacggt cagatgccct tctcctgcca ctacccaagc cgcctgcgcc    60
     27 gagacccctt ccgggactct cccctctcct ctcgcctgct ggatgatggc tttggcatgg   120
     29 acccttccc agacgacttg acagcctctt ggcccgactg ggctctgcct cgtctctcct   180
     31 ccgcctggcc aggcacccta aggtcgggca tggtgccccg gggcccccact gccaccgcca   240
     33 ggtttggggt gcctgccgag ggcaggaccc ccccacccctt ccctggggag ccctggaaag   300
     35 tgtgtgtgaa tgtgcacagc ttcaagccag aggagttgat ggtgaagacc aaagatggat   360
     37 acgtggaggt gtctggcaaa catgaagaga aacagcaaga aggtggcatt gtttctaaga   420
     39 acttcacaaa gaaaatccag cttcctgcag aggtggatcc tgtgacagta tttgcctcac   480
     41 tttccccaga gggtctgctg atcatcgaag ctccccaggt ccctccttac tcaacatttg   540
     43 gagagagcag tttcaacaac gagcttcccc aggacagcca ggaagtcacc tgtacctgag   600
     45 atgccagtac tggcccatcc ttgtttttgtc cccaaccccta gggcttctct gattccagga   660
     47 tacattactt tagctgaact cagatttagt gcaagtaaaa tgttagaggg tgcggggggtg   720
     49 aggactgacc acagattccc tggatagtgt agtggtagat ttctccacag gatagcgcaa   780
     51 ttggcaaatc atgcttggtt gtgttaggcc aaaatactag ttttgctttc tttacctttt   840
     53 ctatcttgat gaaaatgttg cacattctat agttgcaaaa cacataaaag gggacttaac   900
     55 atttcacgtt gtatcttact tgcagtgaat gcaagggtta cttttctctg gggacctccc   960
     57 ccatcaccca ggttcctact ctgggctccc gattcccatg gctcccaaac catgccgcat  1020
     59 ggtttggtta atgaaaccca atagctaacc ccactgtgct tccacatgcc tggcctaaaa  1080
     61 tgggtgatat acaggtctta tatccccata tggaatttat ccatcaacca cataaaaaca  1140
     63 aacagtgcct tctgccctct gcccagatgt gtccagcacg ttctcaaagt ttccacatta  1200
     65 gcactcccta aggacgctgg gagcctgtca gtttatgatc tgacctaggt ccccccttttc  1260
     67 ttctgtcccc tgtgtttaag tcgggatttt tacagaggga gctgtctcca gacagctcca  1320
     69 tcaggaacca agcaaaggcc agatagcctg acagataggc tagtggtatt gtgtatatgg  1380
     71 gcgggacgtg tgtgtcatta ttatttgagt tatgctgttg tttaggggta aataacagta  1440
     73 aataattaat aataataata ataataataa taaggagct gacgttctta aaaaaaaaa  1500
     75 aaaaaaaaaa a                                                       1511
     78 <210> SEQ ID NO: 2
     79 <211> LENGTH: 196
     80 <212> TYPE: PRT
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81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
85 Met Ala Asp Gly Gln Met Pro Phe Ser Cys His Tyr Pro Ser Arg Leu
86 1   5   10   15
89 Arg Arg Asp Pro Phe Arg Asp Ser Pro Leu Ser Ser Arg Leu Leu Asp
90   20   25   30
93 Asp Gly Phe Gly Met Asp Pro Phe Pro Asp Asp Leu Thr Ala Ser Trp
94   35   40   45
97 Pro Asp Trp Ala Leu Pro Arg Leu Ser Ser Ala Trp Pro Gly Thr Leu
98   50   55   60
101 Arg Ser Gly Met Val Pro Arg Gly Pro Thr Ala Thr Ala Arg Phe Gly
102 65   70   75   80
105 Val Pro Ala Glu Gly Arg Thr Pro Pro Phe Pro Gly Glu Pro Trp
106   85   90   95
109 Lys Val Cys Val Asn Val His Ser Phe Lys Pro Glu Glu Leu Met Val
110   100   105   110
113 Lys Thr Lys Asp Gly Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys
114   115   120   125
117 Gln Gln Glu Gly Gly Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln
118   130   135   140
121 Leu Pro Ala Glu Val Asp Pro Val Thr Val Phe Ala Ser Leu Ser Pro
122 145   150   155   160
125 Glu Gly Leu Leu Ile Ile Glu Ala Pro Gln Val Pro Pro Tyr Ser Thr
126   165   170   175
129 Phe Gly Glu Ser Ser Phe Asn Asn Glu Leu Pro Gln Asp Ser Gln Glu
130   180   185   190
133 Val Thr Cys Thr
134   195
137 <210> SEQ ID NO: 3
138 <211> LENGTH: 76
139 <212> TYPE: PRT
140 <213> ORGANISM: Triticum aestivum
142 <400> SEQUENCE: 3
144 Pro Ala Ile Ser Gly Gly Gly Ser Glu Thr Ala Ala Phe Ala Asn Ala
145 1   5   10   15
148 Arg Met Asp Trp Lys Glu Thr Pro Glu Ala His Val Phe Lys Ala Asp
149   20   25   30
152 Leu Pro Gly Val Lys Lys Glu Glu Val Lys Val Glu Val Glu Asp Gly
153   35   40   45
156 Asn Val Leu Val Val Ser Arg Thr Lys Glu Lys Glu Asp Lys Asn Asp
157   50   55   60
160 Arg Ser Ser Gly Lys Phe Val Arg Arg Phe Arg Leu
161 65   70   75
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 76
166 <212> TYPE: PRT
167 <213> ORGANISM: Drosophila melanogaster
169 <400> SEQUENCE: 4
171 Gly Tyr Leu Arg Pro Trp His Thr Asn Ser Leu Gln Lys Gln Glu Ser

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Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\05252006\J579456.raw

```
172 1               5               10              15
175 Gly Ser Thr Leu Asn Ile Asp Ser Glu Lys Phe Glu Val Ile Leu Asp
176             20              25              30
179 Val Gln Gln Phe Ser Pro Ser Glu Ile Thr Val Lys Val Ala Asp Lys
180         35              40              45
183 Phe Val Ile Val Glu Gly Lys His Glu Glu Lys Gln Asp Glu His Gly
184     50              55              60
187 Tyr Val Ser Arg Gln Phe Ser Arg Arg Tyr Gln Leu
188 65              70              75
191 <210> SEQ ID NO: 5
192 <211> LENGTH: 76
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 5
198 Ser Pro Tyr Tyr Arg Gln Ser Leu Phe Arg Thr Val Leu Asp Ser Gly
199 1               5               10              15
202 Ile Ser Glu Val Arg Ser Asp Arg Asp Lys Phe Val Ile Phe Leu Asp
203             20              25              30
206 Val Lys His Phe Ser Pro Glu Asp Leu Thr Val Lys Val Gln Asp Asp
207         35              40              45
210 Phe Val Glu Ile His Gly Lys His Asn Glu Arg Gln Asp Asp His Gly
211     50              55              60
214 Tyr Ile Ser Arg Glu Phe His Arg Arg Tyr Arg Leu
215 65              70              75
218 <210> SEQ ID NO: 6
219 <211> LENGTH: 76
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 6
225 Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly
226 1               5               10              15
229 Leu Ser Glu Met Arg Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp
230             20              25              30
233 Val Lys His Phe Ser Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp
234         35              40              45
237 Val Ile Glu Val His Gly Lys His Glu Glu Arg Gln Asp Glu His Gly
238     50              55              60
241 Phe Ile Ser Arg Glu Phe His Arg Lys Tyr Arg Ile
242 65              70              75
245 <210> SEQ ID NO: 7
246 <211> LENGTH: 76
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <400> SEQUENCE: 7
252 Pro Arg Gly Pro Thr Ala Thr Ala Arg Phe Gly Val Pro Ala Glu Gly
253 1               5               10              15
256 Arg Thr Pro Pro Pro Phe Pro Gly Glu Pro Trp Lys Val Cys Val Asn
257             20              25              30
260 Val His Ser Phe Lys Pro Glu Glu Leu Met Val Lys Thr Lys Asp Gly
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RAW SEQUENCE LISTING   DATE: 05/25/2006
PATENT APPLICATION: **US/10/579,456**   TIME: 09:35:21

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05252006\J579456.raw**

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261          35               40               45
264 Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys Gln Gln Glu Gly Gly
265      50               55               60
268 Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln Leu
269 65               70               75
272 <210> SEQ ID NO: 8
273 <211> LENGTH: 76
274 <212> TYPE: PRT
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 8
279 Ala Ala Pro Ala Tyr Ser Arg Ala Leu Ser Arg Gln Leu Ser Ser Gly
280 1              5               10               15
283 Val Ser Glu Ile Arg His Thr Ala Asp Arg Trp Arg Val Ser Leu Asp
284          20               25               30
287 Val Asn His Phe Ala Pro Asp Glu Leu Thr Val Lys Thr Lys Asp Gly
288          35               40               45
291 Val Val Glu Ile Thr Gly Lys His Glu Glu Arg Gln Asp Glu His Gly
292      50               55               60
295 Tyr Ile Ser Arg Cys Phe Thr Arg Lys Tyr Thr Leu
296 65               70 .             75
299 <210> SEQ ID NO: 9
300 <211> LENGTH: 76
301 <212> TYPE: PRT
302 <213> ORGANISM: Mycobacterium leprae
304 <400> SEQUENCE: 9
306 Arg Phe Ala Glu Gln Val Leu Gly Thr Ser Ala Arg Pro Ala Val Met
307 1              5               10               15
310 Pro Met Asp Ala Trp Arg Glu Gly Glu Glu Phe Val Val Glu Phe Asp
311          20               25               30
314 Leu Pro Gly Ile Lys Ala Asp Ser Leu Asp Ile Asp Ile Glu Arg Asn
315          35               40               45
318 Val Val Thr Val Arg Ala Arg Pro Gly Val Asp Pro Asp Arg Glu Met
319      50               55               60
322 Arg Pro Arg Gly Val Phe Asn Arg Gln Leu Val Leu
323 65               70               75
326 <210> SEQ ID NO: 10
327 <211> LENGTH: 76
328 <212> TYPE: PRT
329 <213> ORGANISM: Mus musculus
331 <400> SEQUENCE: 10
333 Pro Arg Gly Pro Pro Ala Thr Ala Arg Phe Gly Val Pro Ala Glu Gly
334 1              5               10               15
337 Arg Ser Pro Pro Pro Phe Pro Gly Glu Pro Trp Lys Val Cys Val Asn
338          20               25               30
341 Val His Ser Phe Lys Pro Glu Glu Leu Met Val Lys Thr Lys Asp Gly
342          35               40               45
345 Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys Gln Gln Glu Gly Gly
346      50               55               60
349 Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln Leu
```

```
350 65                    70                    75
353 <210> SEQ ID NO: 11
354 <211> LENGTH: 76
355 <212> TYPE: PRT
356 <213> ORGANISM: Rattus norvegicus
358 <400> SEQUENCE: 11
360 Pro Arg Gly Pro Thr Ala Thr Ala Arg Phe Gly Val Pro Ala Glu Gly
361 1               5                   10                  15
364 Arg Asn Pro Pro Pro Phe Pro Gly Glu Pro Trp Lys Val Cys Val Asn
365             20                  25                  30
368 Val His Ser Phe Lys Pro Glu Glu Leu Met Val Lys Thr Lys Asp Gly
369             35                  40                  45
372 Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys Gln Gln Glu Gly Gly
373     50                  55                  60
376 Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln Leu
377 65                   70                  75
380 <210> SEQ ID NO: 12
381 <211> LENGTH: 76
382 <212> TYPE: PRT
383 <213> ORGANISM: Caenorhabditis elegans
385 <400> SEQUENCE: 12
387 Leu Tyr Pro Arg Trp Ala Glu Pro Ile Phe Lys Glu Gly Ile Asp Val
388 1               5                   10                  15
391 Asn Ser Asn Val Val Asn Asp Asp Arg Arg Phe Ala Val Asp Met Asp
392             20                  25                  30
395 Cys Tyr Gln Phe Arg Pro Glu Glu Ile Gln Val Lys Thr Leu Asp Asp
396         35                  40                  45
399 Thr Leu Met Ile Glu Gly Arg His Glu Asp Ile Arg Asp Lys Asp Asn
400     50                  55                  60
403 Phe Thr Lys Met Tyr Phe Val Arg Lys Tyr Gln Leu
404 65                   70                  75
407 <210> SEQ ID NO: 13
408 <211> LENGTH: 19
409 <212> TYPE: DNA
410 <213> ORGANISM: Homo sapiens
412 <220> FEATURE:
413 <221> NAME/KEY: misc_feature
414 <223> OTHER INFORMATION: Fig. 3: control person
417 <400> SEQUENCE: 13
418 ccaccgccag gtttggggt                                          19
421 <210> SEQ ID NO: 14
422 <211> LENGTH: 19
423 <212> TYPE: DNA
424 <213> ORGANISM: Homo sapiens
426 <220> FEATURE:
427 <221> NAME/KEY: misc_feature
428 <223> OTHER INFORMATION: fig. 3: AJ-135
431 <400> SEQUENCE: 14
432 ccaccgccak gtttggggt                                          19
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/25/2006
PATENT APPLICATION: **US/10/579,456**   TIME: 09:35:22

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05252006\J579456.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the
<220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; N Pos. 9
Seq#:17; N Pos. 11

VERIFICATION SUMMARY   DATE: 05/25/2006
PATENT APPLICATION: **US/10/579,456**   TIME: 09:35:22

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05252006\J579456.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application
Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0